

### **Abstract**

**Use of the inhibitors of enzymes having activities of  
aminopeptidase N and/or dipeptidylpeptidase IV and of  
pharmaceutical preparations containing them for the therapy and  
prevention of dermatologic diseases including hyperproliferation and  
changed differentiation states of fibroblasts**

The invention relates to a process for the inhibition of the DNA synthesis (essential for the proliferation) of human fibroblasts by a single or joint effect of inhibitors of alanyl aminopeptidase (APN) and dipeptidyl peptidase IV (DPIV) expressed by those cells. The DNA synthesis (proliferation) of human fibroblasts is inhibited, in a dose dependent manner, by an administration of inhibitors of APN or/and DPIV. The invention shows that the application of substances inhibiting the above enzymes or of compositions and administration forms thereof are well suitable for a therapy and a prevention of dermatological diseases associated with fibroblast hyperproliferation and changed fibroblast differentiation states.

(No Figure)